

AMENDMENT TRANSMITTAL FORM

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Customer No.: 23696
Attorney Docket No.: 020248
In Re Application of: Peter Gaal et al.
Serial Number: 10/079,778
Filed: February 19, 2002
Examiner: Phu Sanh
Group Art Unit: 2682

Dear Sir:

Transmitted herewith for filing is a Response to Office Action in the above identified application.
In addition, the following documents are enclosed:

1. ☒ A Petition for Extension of Time: (1) month(s) is hereby requested.
2. ☐ Information Disclosure Statement (IDS):
 - a. ☐ PTO-1449
 - b. ☐ Copies of IDS Citations (number of citations:)
3. ☐ Change of Attorney's Address in Application.
4. ☐ Other:

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CLAIMS	(a) Number Remaining After Amendment	(b) Highest Number Previously Paid For	(c) Extra Claims	Large Entity Fee	Fee Paid
Total*	13	27	0	x \$18 =	\$0.00
Independent**	3	7	0	x \$86 =	\$0.00
Multiple Dependent Claim(s): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				\$290	\$0.00
EXTENSION FEES			<input checked="" type="checkbox"/> One Month	\$110	\$110.00
			<input type="checkbox"/> Two Months	\$420	\$0.00
			<input type="checkbox"/> Three Months	\$950	\$0.00
INFORMATION DISCLOSURE STATEMENT			<input type="checkbox"/> After First Office Action	\$180	\$0.00
			<input type="checkbox"/> After Final Office Action	\$130	\$0.00
TERMINAL DISCLAIMER				\$110	\$0.00
				TOTAL FEE	\$110.00

*If the number in column a is less than 20, enter 0 in column c.

**If the number in column a is less than 3, enter 0 in column c.

5. ☐ Fee check in the amount of \$_____ is enclosed to pay for any claim and/or extension fees.
6. ☒ Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$110.00.
The Commissioner is hereby authorized to charge payment of any additional fees which may be required, or credit any overpayment to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.
7. ☒ The Commissioner is further hereby authorized to charge to said Deposit Account No. 17-0026, pursuant to 37 CFR 1.25(b), any fee whatsoever which may become properly due or payable, as set forth in 37 CFR 1.16 to 37 CFR 1.18 inclusive, for the entire pendency of this application without specific additional authorization.

Date: July 19, 2004

Signature: 

S. Hossain Beladi, Reg. No. 42,311
(858) 651-4470

QUALCOMM Incorporated
Attn: Patent Department
5775 Morehouse Drive
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PATENT

2682

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application

No. 10/079,778

For: Improved Channel Quality
Feedback Mechanism and Method

Peter Gaal et al.

Examiner: Sanh Phu

Filed: February 19, 2002

) Group No. 2682

RESPONSE TO RESTRICTION REQUIREMENTMail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Dear Sir:

In response to the Restriction Requirement mailed June 4, 2004, please amend the above-identified application as follows:

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

MAILING

- ☒ deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Depositor's Name: Sheryl Schoen
(type or print name)Date: July 19, 2004Signature: Sheryl Schoen**FACSIMILE**

- ☐ transmitted by facsimile to the Patent and Trademark Office.

Depositor's Name: _____
(type or print name)

Date: _____

Signature: _____

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-8 (Cancelled)

9. (Original) An apparatus for transmitting channel quality values over a feedback channel to a base station, comprising:

 a re-synch subchannel generation system for generating full channel quality values; and
 a differential feedback subchannel generation system for generating a plurality of incremental values, wherein the plurality of incremental values are multiplexed with the full channel quality values.

10. (Original) The apparatus of Claim 9, wherein the plurality of incremental values are code-multiplexed with the full channel quality values.

11. (Original) The apparatus of Claim 9, wherein the plurality of incremental values are time-multiplexed with the full channel quality values.

12. (Original) The apparatus of Claim 9, further comprising a transition indicator subchannel generation system for generating a flag that indicates the start of a transitional period.

13. (Original) The apparatus of Claim 12, wherein a Walsh spreading element is used in the re-synch subchannel generation system and not used in the differential feedback subchannel.

14. (Original) The apparatus of Claim 12, wherein a common Walsh function is used in the differential feedback subchannel generation system and the transition indicator subchannel generation system.

15. (Original) The apparatus of Claim 14, wherein the common Walsh function is used to indicate a base station index.

16. (Original) A method for transmitting channel information from a remote station to a base station, comprising:

generating a full channel quality value; and

generating an incremental channel quality value, wherein the incremental channel quality value is multiplexed with the full channel quality value.

17. (Original) The method of Claim 16, wherein the full channel quality value is generated over more than one slot.

18. (Original) The method of Claim 16, wherein the incremental channel quality value is generated over each slot in a channel frame.

19. (Original) The method of Claim 18, further comprising:

generating a transition indicator, wherein the transition indicator is multiplexed with the incremental channel quality value and the full channel quality value and is used to indicate a transition period for the base station.

Claim 20 (Cancelled)

21. (Original) Apparatus for transmitting channel information from a remote station to a base station, comprising:

means for generating a full channel quality value; and

means for generating an incremental channel quality value, wherein the incremental channel quality value is multiplexed with the full channel quality value.

22. (Original) The apparatus of Claim 21, further comprising:

means for generating a transition indicator, wherein the transition indicator is multiplexed with the incremental channel quality value and the full channel quality value and is used to indicate a transition period for the base station.

Claims 23-27 (Cancelled)

REMARKS

Claims 1-8, 20 (Group I) and 23-27 (Group III) have been withdrawn without prejudice in response to the Restriction Requirement mailed June 4, 2004. Applicants hereby elect claims 9-19 and 21-22 (Group II) for prosecution with traverse.

A Petition for Extension of Time and the appropriate fee is filed herewith to extend the response period for one month. Please charge Deposit Account No. 17 - 0026 of QUALCOMM Incorporated in the amount of \$110.00 to pay the necessary fee due under 37 CFR § 1.17 to extend the period for response one-month from July 4, 2004 to August 4, 2004. The Commissioner is hereby further authorized to charge payment of any additional fees that may be required, or credit any overpayment, to Deposit Account No. 17 - 0026. A duplicate of this sheet is enclosed.

Respectfully submitted,

Dated: July 19, 2004

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